

File 18

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY Rumania/USSR

REPORT

SUBJECT 1. Gun Laying Radar Near Bucharest
2. Radar on Rumanian and Soviet Ships

DATE DISTR. 26 October 1954

NO. OF PAGES 7

DATE OF INFO.

REQUIREMENT NO. RD

PLACE ACQUIRED

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USAF review completed.

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THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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25 YEAR RE-REVIEW

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STATE #	X	ARMY #	X	NAVY #	X	AIR #	X	FBI		AEC						
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DATE DISTR. 6 Oct 1954

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THIS IS UNEVALUATED INFORMATION

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1. In October 1951,

just begun to incorporate gun-laying radar into AA positions and, that the Rumanian AAA had
at the particular site there was a World War II
German gun-laying radar called
"Fledermaus". the installation also had a
"laboratory" (possibly for repair and maintenance) and
was located outside of Bucharest in the direction of the Baneasa
Forest.

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2.

observed four different types
of radar on Soviet or Rumanian ships.

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25 YEAR RE-REVIEW

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- a. Type-1. (see Annex A). This equipment was a U.S. lend-lease radar

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It consisted of an opaque plastic dome 50 cm. x 30 cm. mounted on a wooden brace 2½-3 meters high. saw this type of radar on the Soviet icebreaker, SIBERIAKOV, in Leningrad harbor also saw this radar mounted on the bow of a Soviet patrol boat

The patrol boat, made of wood, was 7 m. long with a 3 m. beam and mounted a heavy machine gun aft. Several of these patrol boats were observed in Poti harbor.

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- b. Type-2. (see Annex B). this model was a Soviet radar reflector. It was mounted on the icebreaker, SIBERIAKOV, but did not appear to be in operation. saw this type of radar antenna mounted on four or five Soviet mine-sweepers which cleared the mine fields outside of Constanta harbor during summer 1952. a common type navigational radar on Soviet commercial vessels.

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on Soviet ships, when they were not rotating through a 360° arc, the antenna always faced the bow of the ship when not in operation. This Soviet radar reflector was made of solid metal sheet and there were some criss-crossed braces (see side view, Annex B) on the back side of the reflector which were part of the reflector because it was originally moulded or stamped.

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- c. Type-3. (see Annex C). this was a fire-control radar, as it was located below the fire control center of the KIROV-class heavy cruiser, KAGANOVICH, which was tied up in Poti harbor in September 1953.

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This radar reflector appeared to be a solid metal trough from which six straight metal rods, mounted horizontally, protruded. Each rod carried an array of small tubes, or rods, which were mounted perpendicular to each of the longer straight metal rods.

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- d. Type-4. (see Annex D). saw this type of antenna on two of the three destroyers in the Rumanian fleet in 1951 when the destroyers first returned from the USSR, where they had possibly been repaired; June 1954 was the last time saw this antenna.

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4.

4 Enclosures

Annex A -	Sketch of Type-1 Radar
Annex B -	Sketch of Type-2 Radar
Annex C -	Sketch of Type-3 Radar
Annex D -	Sketch of Type-4 Radar

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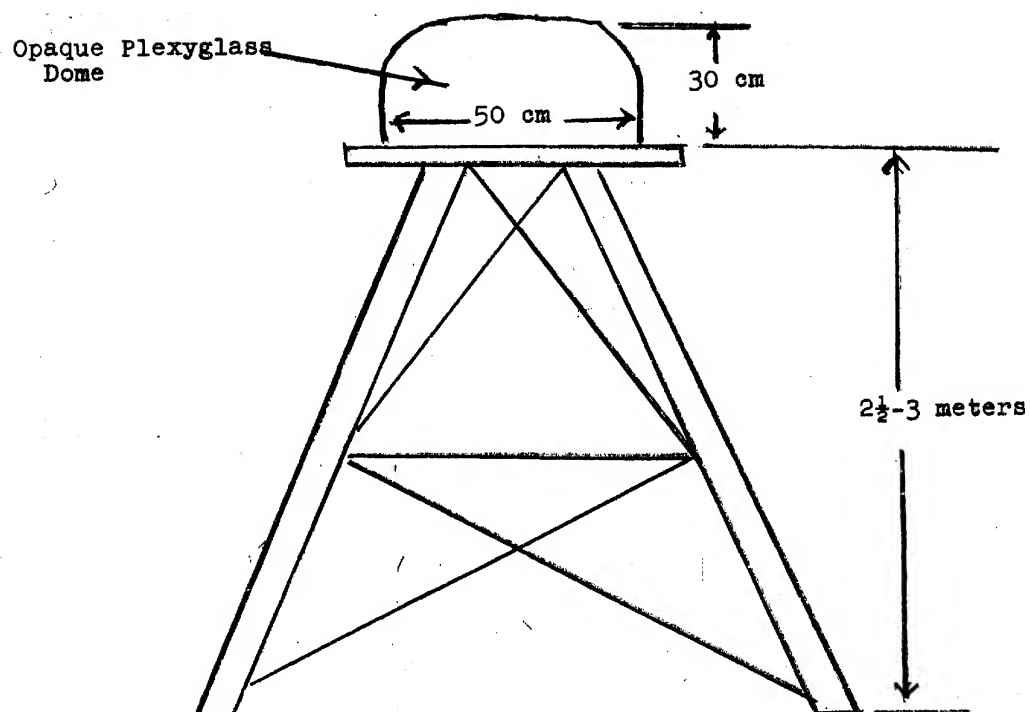
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Annex A -  Sketch of Type-1 Radar

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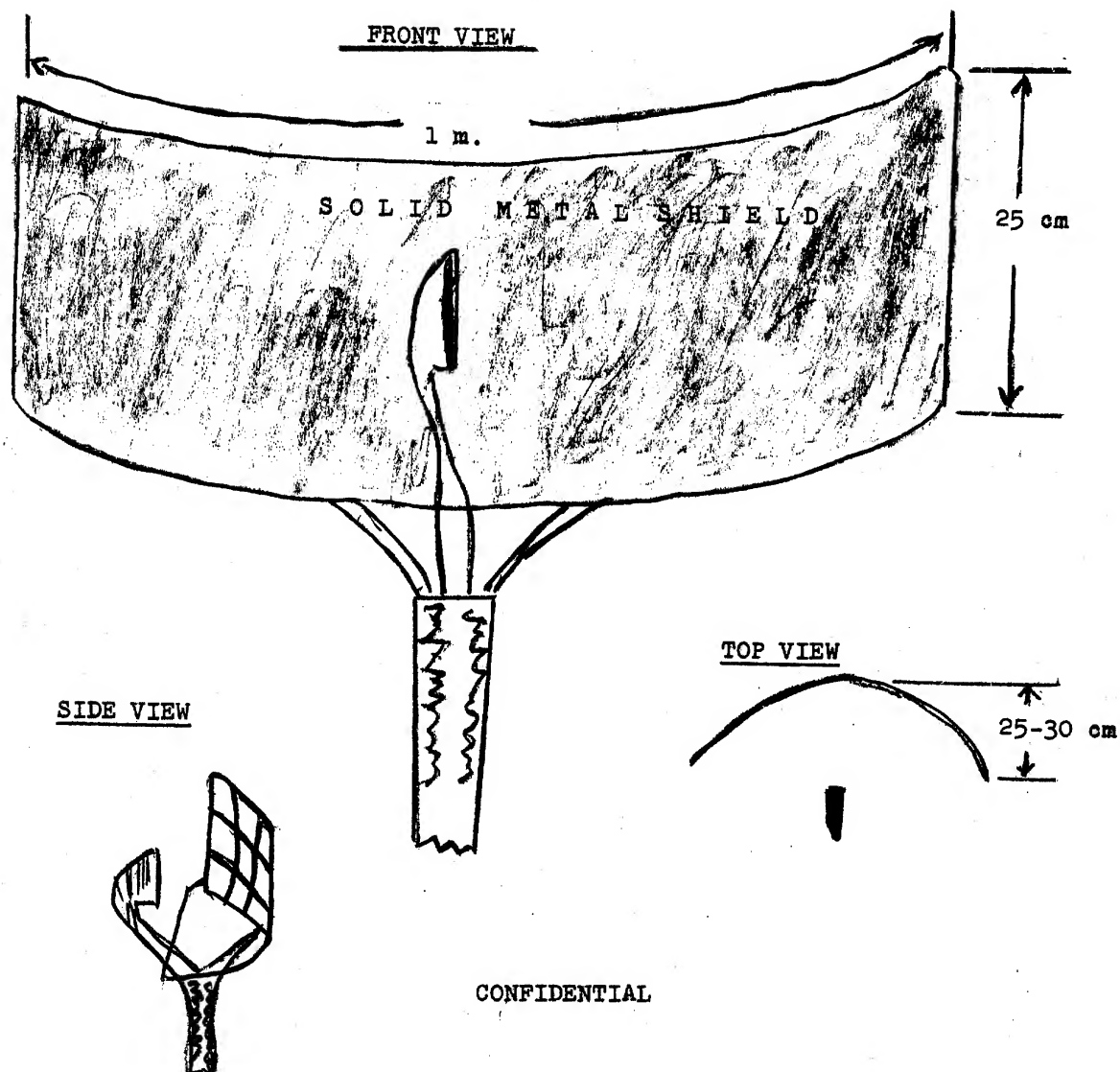
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Annex B - Sketch of Type-2 Radar

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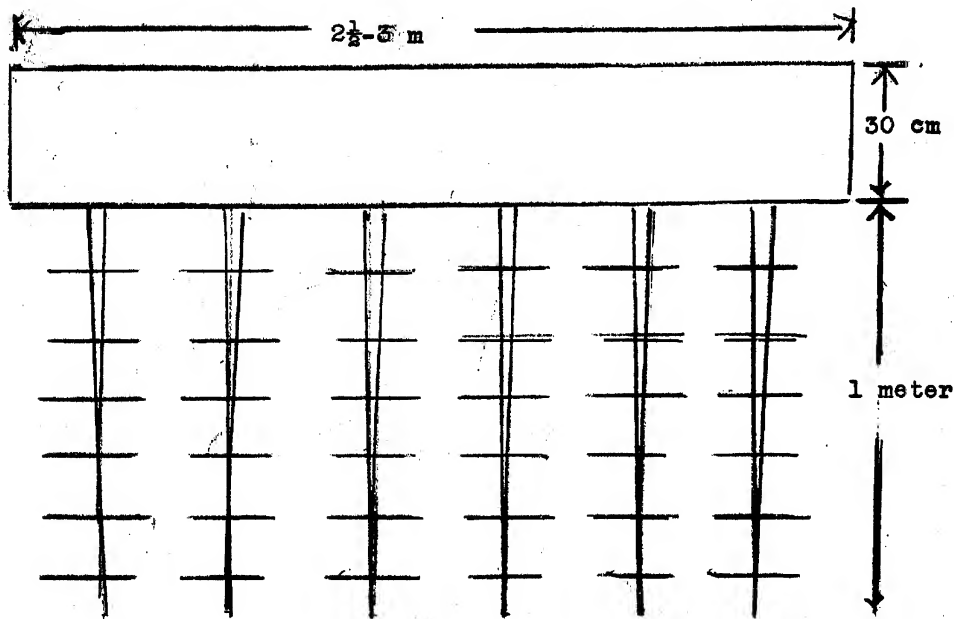
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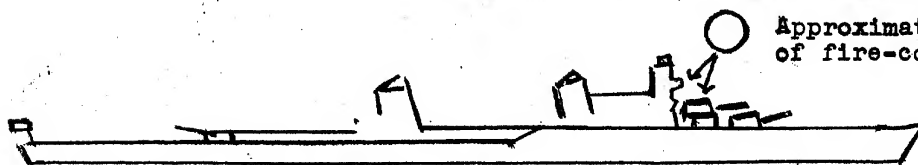
Annex C - Sketch of Type-3 Radar

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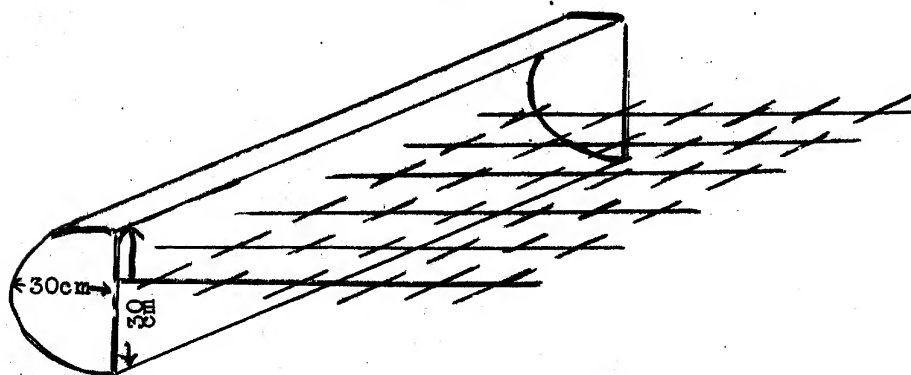
TOP VIEW



Approximate position
of fire-control radar



Heavy Cruiser "KAGANOVICH," (Kirov Class) Poti USSR - Sep 1953



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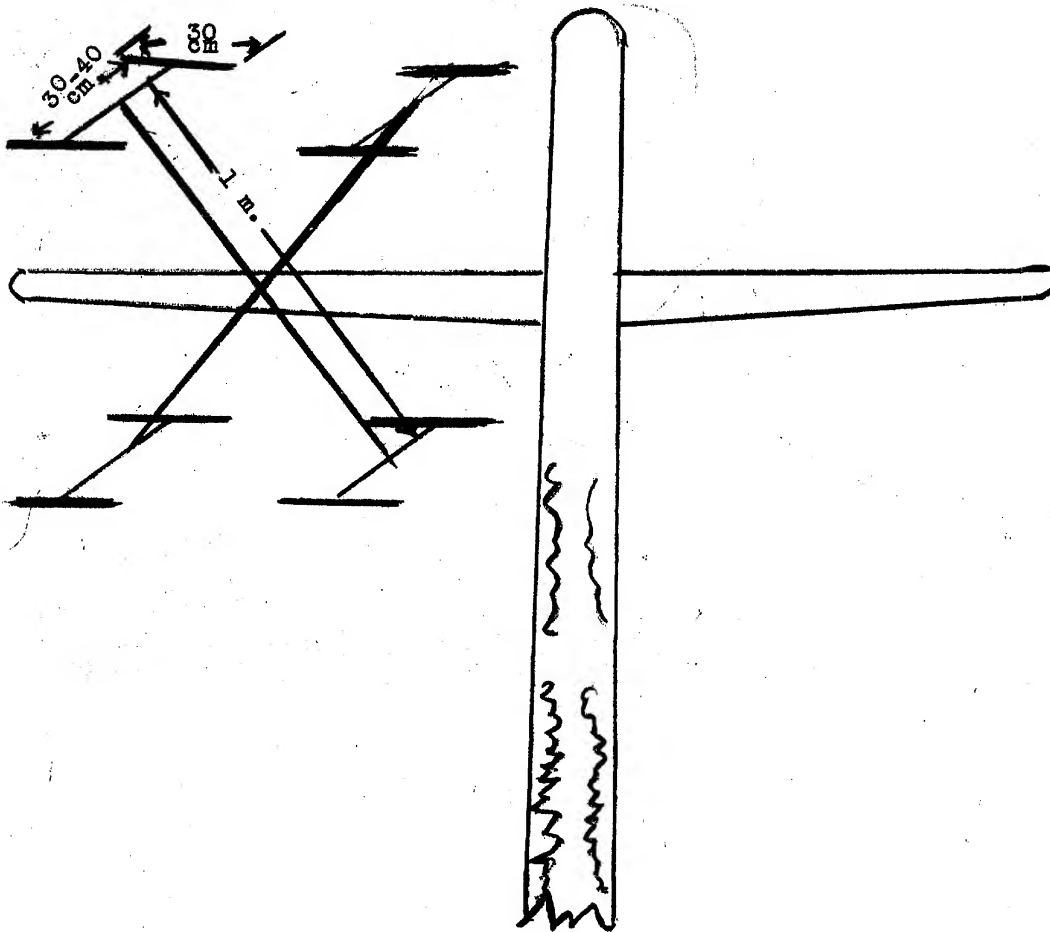
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Annex D -  Sketch of Type-4 Radar

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